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□ 1: NM_016894. *Mus musculus* rece...[gi:8394144]

Links

LOCUS Ramp1 848 bp mRNA linear ROD 06-APR-2003

DEFINITION *Mus musculus* receptor (calcitonin) activity modifying protein 1 (Ramp1), mRNA.

ACCESSION NM_016894

VERSION NM_016894.1 GI:8394144

KEYWORDS .

SOURCE Mus musculus (house mouse)

ORGANISM *Mus musculus*

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; *Mus*. 1 (bases 1 to 848)

REFERENCE Flahaut, M., Rossier, B.C. and Firsov, D.

AUTHORS

TITLE Respective roles of calcitonin receptor-like receptor (CRLR) and receptor activity-modifying proteins (RAMP) in cell surface expression of CRLR/RAMP heterodimeric receptors

JOURNAL J. Biol. Chem. 277 (17), 14731-14737 (2002)

MEDLINE 21964103

PUBMED 11854283

REMARK GeneRIF: role in cell surface expression of CRLR/RAMP heterodimeric receptors

REFERENCE 2 (bases 1 to 848)

AUTHORS Miret, J.J., Rakhilina, L., Silverman, L. and Oehlen, B.

TITLE Functional expression of heteromeric calcitonin gene-related peptide and adrenomedullin receptors in yeast

JOURNAL J. Biol. Chem. 277 (9), 6881-6887 (2002)

MEDLINE 21850626

PUBMED 11733510

REMARK GeneRIF: Co-expression of RAMP1 and CRLR reconstituted a CGRP receptor that was able to activate the pheromone-signaling pathway with pharmacological properties similar to those observed previously in mammalian cells.

REFERENCE 3 (bases 1 to 848)

AUTHORS Miyauchi, K., Tadotsu, N., Hayashi, T., Ono, Y., Tokoyoda, K., Tsujikawa, K. and Yamamoto, H.

TITLE Molecular cloning and characterization of mouse calcitonin gene-related peptide receptor

JOURNAL Neuropeptides 36 (1), 22-33 (2002)

MEDLINE 22142898

PUBMED 12147211

REMARK GeneRIF: The mouse cDNA for RAMP1 was cloned and we examined the signal transduction mechanism through the CGRP receptor. mRAMP1 is a 148-amino acid single membrane-spanning protein with a short cytoplasmic portion.

REFERENCE 4 (bases 1 to 848)

AUTHORS Derst, C., Engel, H., Grzeschik, K. and Daut, J.

TITLE Genomic structure and chromosome mapping of human and mouse RAMP genes

JOURNAL Cytogenet. Cell Genet. 90 (1-2), 115-118 (2000)

MEDLINE 20515595
 PUBMED 11060459
 REFERENCE 5 (bases 1 to 848)
 AUTHORS Husmann, K., Sexton, P.M., Fischer, J.A. and Born, W.
 TITLE Mouse receptor-activity-modifying proteins 1, -2 and -3: amino acid sequence, expression and function
 JOURNAL Mol. Cell. Endocrinol. 162 (1-2), 35-43 (2000)
 MEDLINE 20314386
 PUBMED 10854696
 REFERENCE 6 (bases 1 to 848)
 AUTHORS Derst, C., Preisig-Mueller, R., Gerhardus, J. and Daut, J.
 TITLE Cloning and sequencing of mouse CGRP/adrenomedullin receptor subunits
 JOURNAL Unpublished
 COMMENT PROVISIONAL REFSEQ: This record has not yet been subject to final NCBI review. The reference sequence was derived from AF146522.1.
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